

What is claimed is:

1. A bath spout connection kit for connecting a bath spout shell to a threaded or smooth surfaced wall pipe having a diameter and extending beyond a wall, the kit comprising:

a conduit having a length and first and second threaded ends, said first end adapted to couple said conduit to the bath spout shell;

a first adapter having a length and first and second ends, said first end adapted to threadedly couple said adapter to said first conduit, said second end adapted to couple said first adapter to the pipe, such that said conduit length for use with threaded pipe is the same as the conduit length for use with smooth surfaced pipe and the bath spout shell mounts flush against the wall.

2. The kit of claim 1 wherein said first adapter has an interior surface at said second end and an exterior surface at said first end, said exterior surface having threads to couple said first adapter to said second end of said conduit and said interior surface having a smooth bore and adapted to couple said first adapter to the smooth surfaced pipe.

3. The kit of claim 2 further comprising a setscrew for coupling said first adapter to the pipe.

4. The kit of claim 3 further comprising a clamp surrounding said conduit to assist in securing said conduit to said pipe.

5. The kit of claim 1 wherein said second end of said conduit is adapted to couple to the threaded pipe where the diameter of the threaded pipe is a first size, said first adapter fits entirely within said conduit when coupled to said conduit, and said second end of said first adapter is adapted to couple said first adapter to a smooth surfaced pipe.

6. The kit of claim 5 further comprising a second adapter having first and second threaded ends, said first end adapted to couple said second adapter to said second threaded end of said conduit and said second end adapted to couple said adapter to the threaded pipe where the diameter of the pipe is a second size and wherein said second adapter fits entirely within said conduit when coupled to said conduit.

7. The kit of claim 1 further comprising a second adapter having first and second threaded ends, said first end adapted to couple said second adapter to said conduit and said second end adapted to couple said second adapter to the threaded pipe where the diameter of the pipe is a first size.

8. The kit of claim 7 wherein said second adapter has a length equal to said length of said first adapter.

9. The kit of claim 8 further comprising a third adapter having a length equal to said length of said first and second adapters and having a first and second threaded end, said first threaded end adapted to couple said third adapter to said second end of said conduit and said second end adapted to couple said second adapter to the threaded pipe where the diameter of the threaded pipe is a second size.

10. The kit of claim 7 wherein said first and said second adapters fit entirely within said conduit when coupled to said conduit.

11. The kit of claim 10 further comprising tabs on said second end of said first and second adapters.

12. The kit of claim 1 further comprising at least one additional conduit, wherein each said additional conduit has a length different from said length of said conduit.

13. The kit of claim 1 wherein said conduit comprises a first conduit segment having first and second threaded ends and a length and a second conduit segment having first and second threaded ends and a length, wherein said first end of said second conduit segment is adapted to threadedly couple to said second end of said first conduit segment to form said conduit.

14. The kit of claim 13 further comprising a third conduit segment having first and second threaded ends and a length shorter than said length of said second conduit segment, wherein said first end is adapted to threadedly couple to said second end of said first conduit segment to form said conduit.

15. The kit of claim 1 further comprising a groove in said conduit and a sealing member seated in said groove, said sealing member adapted to be in sealing contact with said adapter coupled to said conduit.

16. The kit of claim 1 further comprising a groove in said first adapter and a sealing member seated in said groove, said sealing member adapted to be in sealing contact with the smooth surfaced wall pipe.

17. The kit of claim 1 further comprising a bath spout shell.

18. The kit of claim 1 wherein said kit is made of polymeric material.

19. The kit of claim 1 wherein said kit is made of a metallic material.

20. A bath spout connection kit for connecting a bath spout shell to a threaded or smooth surfaced pipe having a diameter and extending beyond a wall, said kit comprising:

a first conduit having a length and first and second threaded ends, said first end adapted to threadedly couple to the bath spout shell;

a first adapter having a length and first and second threaded ends, said first end being adapted to couple said first adapter to said second end of said conduit and said second end of said first adapter being adapted to couple said first adapter to the threaded pipe where the diameter of the threaded pipe is a first size;

a second adapter having a length equal to said first adapter and having first and second ends, said first end being adapted to threadedly couple said second adapter to said second end of said conduit and said second end of said second adapter being adapted to couple said second adapter to the smooth surfaced pipe.

21. The kit of claim 20 further comprising a third adapter having a length equal to said first and said second adapters and having first and second threaded ends, said first end being adapted to couple said third adapter to said second end of said conduit and said second end of said third adapter being adapted to couple said third adapter to the threaded pipe where the diameter of the threaded pipe is a second size.

22. The kit of claim 20 further comprising a hole in said second adapter and a setscrew, wherein said setscrew is adapted to thread through said hole and engage said smooth surfaced pipe.

23. The kit of claim 20 wherein said conduit comprises:

a first conduit segment having first and second threaded ends, said first end adapted to threadedly couple said first conduit segment to said bath spout shell; and

a second conduit segment having a length and first and second threaded ends, said first end adapted to couple said second conduit segment to said second end of said first conduit segment.

24. The kit of claim 22 further comprising a third conduit segment having a length shorter than said second conduit segment and having first and second threaded ends, said first end adapted to couple said third conduit segment to said second end of said first conduit segment.

25. The kit of claim 22 further comprising a third adapter having a length equal to said first and said second adapters and having first and second threaded ends, said first end being adapted to couple said third adapter to said second end of said conduit and said second end of said third adapter being adapted to couple said third adapter to the threaded pipe where the diameter of the threaded pipe is a second size.

26. The kit of claim 22 further comprising a hole in said second adapter and a setscrew, wherein said setscrew is adapted to thread through said hole and engage said smooth surfaced pipe.

27. The kit of claim 20 further comprising a groove proximate to said second end of said conduit and a sealing member seated in said groove, wherein said sealing member is adapted to be in sealing contact with said adapter when coupled to said conduit.

28. The bath spout connection kit of claim 27 wherein said sealing member is a O-ring.

29. The kit of claim 20 further comprising an additional conduit having a length shorter than said length of said first conduit and having a first and second threaded ends, said first end adapted to couple said additional conduit to the bath spout shell.

30. A bath spout connection kit for connecting a bath spout shell to a pipe having an end and a diameter and extending beyond a wall, said kit comprising:

a conduit having a length and having first and second threaded ends, said first end adapted to couple said conduit to the bath spout shell;

a first adapter having first and second ends, said first end adapted to threadedly couple said first adapter to said second end of said conduit and said second end having a smooth bore adapted to engage the end of the pipe where the end has a smooth surface;

wherein said first adapter is disposed entirely within said conduit when coupled to said conduit.

31. The kit of claim 30 further comprising tabs on said second end of said first adapter.

32. The kit of claim 30 further comprising a second adapter having first and second threaded ends, said first end adapted to couple said second adapter to said second end of said conduit, said second end adapted to couple said second adapter to the end of the pipe where the end is threaded and the diameter of the pipe is a first size and wherein said second adapter is disposed entirely within said conduit when coupled to said conduit.

33. The kit of claim 32 further comprising tabs on said second end of said second adapter.



34. The kit of claim 32 wherein said second end of said conduit is adapted to couple said conduit to the end of the pipe where the end is threaded and the diameter of the pipe is a second size.

35. The kit of claim 30 further comprising a slot in said first adapter, a hole proximate to said second end of said conduit, and a setscrew, wherein said setscrew is adapted to be received in said hole and said slot and engage the end of the pipe where the end has a smooth surface.

36. The kit of claim 35 wherein said conduit has a recess proximate to said second end that can be punched through to form said hole when said first adapter is used.

37. The kit of claim 35 further comprising a second conduit without said recess.

38. The kit of claim 37 wherein said first adapter is secured in said conduit with said slot aligned with said hole.

39. The kit of claim 35 further comprising a clamp surrounding said conduit and adapted to assist in securing said conduit to the end of the pipe.

40. The kit of claim 39 further comprising at least one stop on said conduit to position said clamp.

41. The kit of claim 39 wherein said clamp includes a threaded hole and wherein said setscrew engages said threaded hole.

42. The kit of claim 30 further comprising at least one additional conduit having a length different from said length of said conduit.

43. The kit of claim 30 wherein said first adapter further comprises a groove and a sealing member seated in said groove, wherein said sealing member is adapted to be in sealing contact with said conduit and the smooth surface on the pipe.

44. The kit of claim 43 wherein said sealing member is an O-ring.

45. The kit of claim 30 further comprising fins on said second end of said conduit.

46. A bath spout connection kit for connecting a bath spout shell to a threaded or smooth surfaced pipe having a diameter and extending beyond a wall, said kit comprising:

a conduit having a length and having first and second threaded ends, said first end adapted to couple said conduit to the bath spout shell and said second end of said conduit adapted to couple said conduit to a threaded pipe where the diameter of the threaded pipe is a first size;

a first adapter having first and second ends, an exterior surface on said first end, said exterior surface adapted to threadedly couple said first adapter to said second end of said conduit and an interior surface on said second end, said interior surface having a smooth bore adapted to engage said smooth surfaced pipe;

a circumferential groove in said first end of said first adapter;

a sealing member seated in said circumferential groove, said sealing member adapted to be in sealing contact with said conduit and said smooth surfaced pipe;

a recess proximate to said second end of said conduit that can be punched through to form a hole when said first adapter is used;

a slot in said first adapter that aligns with said hole when said first adapter is coupled to said second end of said conduit;

a clamp adapted to surround said conduit having a threaded hole;

a setscrew adapted to thread through said threaded hole, be received in said hole in said conduit and said slot in said first adapter and engage said smooth surfaced pipe;

a second adapter having an first and second end, an exterior threaded surface on said first end, said exterior surface adapted to couple said second adapter to said second end of said conduit, and an interior threaded surface on said second end, said interior surface adapted to couple said second adapter to a threaded pipe where the diameter of the threaded pipe is a second size;

wherein said adapters are disposed entirely within said conduit when coupled to said conduit.

47. The kit of claim 46 further comprising at least one stop on said conduit to position said clamp.

48. The kit of claim 46 further comprising at least one additional conduit having a length different from the length of said conduit.

49. The kit of claim 46 further comprising fins on said second end of said inner conduit.